

WHAT IS CLAIMED IS:

1. A portable communication apparatus, comprising:

a radio communication unit that performs communication over a radio wave having a specific frequency;

5 a detection unit that detects a wave that travels with a frequency that is different from the specific frequency, in a predetermined area, the wave being other than the radio wave;

a notification unit that notifies a user of the portable communication apparatus a notification when the detection unit detects the wave, the notification indicating that the portable communication apparatus is present in the predetermined area; and

a stop control unit that stops the radio communication unit from performing a communication function, according to an instruction from the user.

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2. The portable communication apparatus according to claim 1, wherein the stop control unit receives the instruction from the user for a predetermined period after the notification is notified.

20 3. The portable communication apparatus according to claim 1, wherein the wave includes an electromagnetic wave.

4. The portable communication apparatus according to claim 3, wherein the electromagnetic wave has a frequency defined as light.

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5. The portable communication apparatus according to claim 3,  
wherein the electromagnetic wave has a frequency defined as infrared.

6. The portable communication apparatus according to claim 1,  
5 wherein the wave includes an ultrasonic wave.

7. A portable communication apparatus, comprising:

a radio communication unit that performs communication over a  
radio wave having a specific frequency;

10 a detection unit that detects a wave that travels with a frequency  
that is different from the specific frequency, in a predetermined area,  
the wave being other than the radio wave; and

a stop control unit that stops the radio communication unit from  
performing a communication function when the detection unit detects  
15 the wave.

8. The portable communication apparatus according to claim 7,  
wherein the wave includes an electromagnetic wave.

20 9. The portable communication apparatus according to claim 8,  
wherein the electromagnetic wave has a frequency defined as light.

10. The portable communication apparatus according to claim 8,  
wherein the electromagnetic wave has a frequency defined as infrared.

11. The portable communication apparatus according to claim 7,  
wherein the wave includes an ultrasonic wave.

12. A portable communication apparatus, comprising:

5 a radio communication unit that performs communication over a  
radio wave having a specific frequency;

a detection unit that detects a wave that travels with a frequency  
that is different from the specific frequency, in a predetermined area,  
and that determines an attribute of the predetermined area, the wave  
10 being other than the radio wave;

a notification unit that notifies a user of the portable  
communication apparatus a notification when the attribute indicates a  
warning area adjacent to a prohibited area, the notification indicating  
that the portable communication apparatus is present in the warning  
15 area; and

a stop control unit that stops the radio communication unit from  
performing a communication function according to an instruction from  
the user when the notification is notified, and that stops the radio  
communication unit from performing the communication function when  
20 the attribute indicates the prohibited area.

13. The portable communication apparatus according to claim 12,  
wherein the wave includes an electromagnetic wave.

25 14. The portable communication apparatus according to claim 13,

wherein the electromagnetic wave has a frequency defined as light.

15. The portable communication apparatus according to claim 13,  
wherein the electromagnetic wave has a frequency defined as infrared.

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16. The portable communication apparatus according to claim 12,  
wherein the wave includes an ultrasonic wave.

17. The portable communication apparatus according to claim 12,  
10 further comprising a stop cancellation unit that allows the radio  
communication unit to perform the communication function when the  
detection unit does not detect the wave after the communication  
function is stopped.

15 18. The portable communication apparatus according to claim 17,  
further comprising a storage unit that receives information to be  
transmitted over the radio wave after the stop cancellation unit allows  
the radio communication unit to perform the communication function,  
and that stores the information.

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19. The portable communication apparatus according to claims 12,  
further comprising an alternative communication unit that holds  
alternative communication over a medium other than the radio wave  
when the communication function is stopped.

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20. The portable communication apparatus according to claim 17,  
further comprising a restart processing unit that restarts the  
communication function, upon the communication function being  
stopped during a communication, from a condition at a point in time  
5 when the communication was stopped, when the stop cancellation unit  
allows the radio communication unit to perform the communication  
function.